Index of Claims

| Application No. |  |
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10/665,061 Examiner LEMMENS ET AL.

Art Unit

Applicant(s)

Thomas J. Williams

3683

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| 4 | Α | Appeal   |
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| Cla             | im       | Date     |           |   |              |              |              |          |                 | Date Claim Date |  |          |             |                 |          |          |          |          |         |              | Cla             | aim  | Date  |              |          |                 |          |          |          |          |          |          |           |
|-----------------|----------|----------|-----------|---|--------------|--------------|--------------|----------|-----------------|-----------------|--|----------|-------------|-----------------|----------|----------|----------|----------|---------|--------------|-----------------|------|-------|--------------|----------|-----------------|----------|----------|----------|----------|----------|----------|-----------|
|                 | ਲ        | ١., ا    |           |   |              |              |              |          |                 |                 |  | l _      | <del></del> | .               |          |          |          |          |         |              |                 |      |       | <del>-</del> | l        |                 |          |          |          |          |          | - 1      |           |
| Final           | Original | 5/6/05   |           |   |              |              |              |          |                 |                 |  | Final    | Original    |                 |          |          |          |          |         |              | lĺ              |      | Final | Original     |          |                 |          |          |          |          |          |          | Ī         |
| 证               | Ĕ        | 2/6      |           |   |              | 1            |              |          |                 |                 |  | 证        | Ë           |                 |          |          |          | ı        |         |              |                 | İ    | iΞ    | ,<br>Ti      |          |                 |          |          |          |          |          |          |           |
|                 |          |          |           |   |              |              |              |          |                 |                 |  |          |             | Ш               |          | $\perp$  | $\perp$  | $\perp$  | ┸       |              | Ш               | L    |       |              | L        |                 |          |          |          |          |          |          |           |
|                 | 1        | ✓        |           |   |              |              |              |          |                 |                 |  | <u> </u> | 51          | Ш               |          |          | $\perp$  | $\perp$  | $\perp$ |              | Ш               | L    |       | 101          | 匚        | Щ               |          |          |          |          |          |          |           |
|                 | 2        | ✓        | Щ         |   |              |              |              | L        |                 |                 |  |          | 52          | Ш               |          |          | $\perp$  |          |         |              | Ш               | ļ    |       | 102          |          | Ш               |          |          |          |          |          |          |           |
|                 | 3        | ✓        |           |   |              |              | L            | <u> </u> |                 |                 |  |          | 53          |                 |          | _        | $\perp$  |          |         | ┖            | Ш               | Ļ    |       | 103          |          | Ш               |          |          |          |          |          |          |           |
|                 | 4        | ✓        |           |   |              |              |              |          |                 |                 |  | L        | 54          |                 |          | _        | $\perp$  |          |         | _            | Ш               | Ļ    |       | 104          |          | Ш               |          |          |          |          |          | _        |           |
|                 | 5        | ^        |           |   | _            | ᆫ            | _            | L        |                 |                 |  |          | 55          | Ш               |          | _        | _        | 4        |         | L            | Ш               | Ļ    |       | 105          |          | Ш               |          |          |          |          |          | _        |           |
|                 | 6        | ✓        |           |   | L_           | L            | _            | <u> </u> |                 |                 |  |          | 56          |                 |          | _        | _        | 4        |         | <u> </u>     | Щ               | Ļ    |       | 106          | _        | Ш               |          |          |          |          |          | _        |           |
|                 | 7_       | ✓        |           |   | L.           | L_           | <u> </u>     | <u> </u> |                 |                 |  |          | 57          | Ш               |          | _        | $\dashv$ |          |         | <u> </u>     | Ш               | Ļ    |       | 107          |          |                 |          |          |          |          |          | _        |           |
|                 | 8        | ✓        |           |   | _            | _            | _            | <u> </u> |                 |                 |  |          | 58          | Ш               |          | _        | 4        | _        | $\bot$  | _            | Ш               | ļ    |       | 108          | <u> </u> |                 |          |          |          |          |          | _        | _         |
|                 | 9        | ✓        |           |   |              |              | _            |          |                 |                 |  | <u> </u> | 59          | Ш               |          |          | 4        | _        |         | <u> </u>     | Ш               | Ļ    |       | 109          | _        | Ш               |          | _        |          | _        |          |          | _         |
|                 | 10       | √        |           |   |              |              | L            | _        |                 |                 |  |          | 60          | Ш               |          | _        | _        | _        | _       |              | Ш               | Ļ    |       | 110          | _        |                 |          | _        |          |          |          | _        |           |
|                 | 11       | <b>∠</b> | Щ         |   | _            |              | <u> </u>     | <u> </u> |                 |                 |  |          | 61          | L_              |          |          | 4        |          | ┦—      | _            | Ш               | ļ    |       | 111          | _        | Ш               |          |          |          |          |          | _        |           |
|                 | 12       | <b>√</b> | Щ         |   | <u> </u>     | $\vdash$     | _            | <u> </u> |                 |                 |  |          | 62          | Ш               |          | $\dashv$ | _        | _        | 4       | <del> </del> | Щ               | ļ    |       | 112          |          | Щ               | $\vdash$ | L_       | Щ        | Ш        |          |          | $\square$ |
|                 | 13       | ✓        | Ш         | ` | _            | <u> </u>     | <u> </u>     | <u> </u> | L.              |                 |  |          | 63          | Ш               | _        | $\dashv$ | $\dashv$ | $\bot$   | $\bot$  | ┞            | Ш               | Ļ    |       | 113          | <u> </u> | Щ               |          |          | Щ.       | Ш        |          |          |           |
|                 | 14       | √.       | Ш         |   | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> |                 |                 |  |          | 64          | Ш               |          | 4        | 4        | 4        | _       | _            | Ш               | Ļ    |       | 114          | _        | $\vdash$        |          | _        |          |          |          | $\Box$   | Ш         |
| $\sqcup$        | 15       | ✓        | Ш         |   | _            | _            | <u> </u>     | <u> </u> | Ш               |                 |  |          | 65          | Ш               | $\Box$   | $\dashv$ | 4        | $\bot$   | _       | <u> </u>     | Ш               | Ļ    |       | 115          | L        | _               |          |          |          |          |          |          | Щ         |
|                 | 16       | <b>^</b> | Ш         |   | _            | <u> </u>     | _            | <u> </u> |                 | Щ               |  |          | 66          | $\sqcup$        |          | $\dashv$ | $\perp$  | _        | 1       | ┞            | Ш               | ļ    |       | 116          | _        |                 | Щ        |          |          |          |          |          |           |
|                 | 17       | √,       | $\sqcup$  |   | _            | _            | _            | <u> </u> |                 |                 |  |          | 67          | Ш               | $\Box$   | _        | 4        | $\perp$  | 4       | $\vdash$     | $\perp$         |      |       | 117          |          | Щ               |          |          |          |          |          | _        | Щ         |
|                 | 18       | √        |           |   | <u></u>      | <u> </u>     | <u> </u>     |          |                 |                 |  |          | 68          | Ш               |          | _        | 4        |          | $\perp$ | <u> </u>     |                 |      |       | 118          | <u> </u> | Щ               |          |          |          |          |          | _        |           |
|                 | 19       | ✓        | Ш         |   | _            | L.           | L            | <u> </u> |                 |                 |  |          | 69          | Ш               |          | _        | _        | _        |         | L            | لسا             | ļ.   |       | 119          |          | Щ               |          |          |          |          |          | $\Box$   | Щ         |
|                 | 20       | <        |           |   |              |              | L            | <u> </u> | Ш               |                 |  |          | 70          | $\sqcup$        |          | _        | $\perp$  | _        |         | _            | Ш               | ļ    |       | 120          |          | Ш               |          |          |          |          |          |          |           |
|                 | 21       | √        |           |   |              |              | $oxed{oxed}$ |          |                 |                 |  |          | 71          |                 | Щ        | 4        | $\perp$  | 4        |         |              | Ш               | Ļ    |       | 121          |          | Ш               |          |          |          |          |          | _        | $\Box$    |
|                 | 22       | √        |           |   |              |              | <u></u>      | <u> </u> |                 |                 |  |          | 72          |                 | _        | 4        | _        | 4.       |         |              |                 | Ļ    |       | 122          | L        | Ш               |          |          |          |          | _        |          |           |
|                 | 23       | ✓        |           |   | _            |              |              | <u> </u> | Ш               |                 |  |          | 73          |                 | _        |          |          | _        |         |              | $\sqcup$        |      |       | 123          | _        | Ш               |          |          |          |          |          |          | $\Box$    |
|                 | 24       | ✓        |           |   | L.           |              | <u> </u>     | L        |                 |                 |  |          | 74          |                 |          | _        | _        | _ _      | ┸       | <u> </u>     | Ш               |      |       | 124          |          | Ш               |          |          |          |          |          | _        |           |
|                 | 25       | V        |           |   |              |              | <u> </u>     | <u> </u> | Щ               |                 |  | <u> </u> | 75          |                 |          |          | _        |          |         |              | Ш               | -    |       | 125          |          | Ш               |          | Ľ.       |          |          |          |          |           |
|                 | 26       | ✓        |           |   |              |              | <u> </u>     | <u> </u> | Ш               |                 |  |          | 76          |                 |          |          | _        | _        |         | <u> </u>     | Ш               | ļ    |       | 126          |          |                 |          |          |          |          |          | _        | _         |
|                 | 27       | <b>√</b> |           |   |              |              | lacksquare   | ــــ     | Ш               | _               |  | ļ        | 77          |                 |          | _        | _        | $\perp$  |         | _            | Ш               | ļ    |       | 127          |          |                 |          |          |          |          | $\Box$   | $\dashv$ |           |
|                 | 28       | ✓        |           |   |              |              | <u> </u>     |          |                 |                 |  | <u> </u> | 78          |                 | _        | _        | _        | _ _      |         |              | $\square$       | -    |       | 128          |          | Ш               |          |          |          |          |          | _        |           |
|                 | 29       |          |           |   |              | _            | <u> </u>     | <u> </u> | Щ               | _               |  | ļ        | 79          | _               |          | _        | _        | +        |         | _            | Ш               | ļ    |       | 129          |          |                 |          |          |          |          |          | _        |           |
|                 | 30       |          |           |   |              |              | ŀ            | L        | Щ               |                 |  |          | 80          | $\sqcup$        | _        | _        | _        | $\perp$  | _       |              | Ш               | ļ    |       | 130          | _        | _               |          |          |          |          |          | _        |           |
|                 | 31       |          |           |   |              |              | <u> </u>     |          | Ш               |                 |  |          | 81          |                 | _        |          |          | _        |         |              | Ш               | ŀ    |       | 131          |          | Ш               |          |          |          |          |          |          | _         |
| $\dashv$        | 32       |          |           |   |              | -            | <u> </u>     |          |                 | _               |  |          | 82          |                 |          |          | _        |          |         | <u> </u>     | Н               |      |       | 132          |          | _               |          |          |          |          | $\dashv$ | _        |           |
|                 | 33       |          |           |   |              |              | <u> </u>     | <u> </u> | Ш               | -               |  |          | 83          | $\square$       |          | _        | _        |          |         |              | $\vdash$        | -    |       | 133          |          |                 |          |          |          | _        | $\Box$   |          |           |
|                 | 34       | $\sqcup$ | $\square$ |   | <u> </u>     | _            | <u> </u>     | _        | Н               | $\dashv$        |  |          | 84          | $\square$       |          |          | _        | _        |         | -            | Н               | -    |       | 134          | <u> </u> | $\vdash$        |          | $\vdash$ |          |          | $\dashv$ |          |           |
| $\vdash$        | 35       | Ш        | $\sqcup$  |   | <u> </u>     |              | <u> </u>     | _        | Н               | $\dashv$        |  |          | 85          | $\square$       | _        | $\dashv$ | _        |          |         | ₩            | $\vdash \vdash$ | -    |       | 135          | <u> </u> | -               | _        | $\vdash$ |          |          | $\dashv$ | $\dashv$ | <u> </u>  |
| $\vdash \dashv$ | 36       |          |           |   | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | $\vdash$        | $\dashv$        |  | <u> </u> | 86          | $\vdash \vdash$ | -        | -        | $\dashv$ |          |         | ┼            | $\vdash \vdash$ | -    |       | 136          | -        | $\vdash$        |          |          |          | -        | $\dashv$ | $\dashv$ | $\dashv$  |
| -               | 37       |          | -         |   | H            | <u> </u>     | $\vdash$     |          | Н               |                 |  |          | 87          | $\vdash$        |          | $\dashv$ | +        | +        |         | $\vdash$     | Н               | -    |       | 137          |          | Щ               |          |          |          |          | $\dashv$ | $\dashv$ |           |
| -               | 38       |          |           |   |              | $\vdash$     |              | _        | Н               |                 |  | ļ        | 88          | $\vdash \vdash$ |          |          | 4        | $\dashv$ | -       | 1            | Н               | -    |       | 138          | _        | Ш               |          | <u> </u> | —        | -        | $\vdash$ | -        | Щ         |
|                 | 39       |          |           |   |              | _            | _            | <u> </u> | $\vdash$        |                 |  |          | 89          | $\vdash \vdash$ |          | +        | _        | +        | +       | -            | Н               | -    |       | 139          | L        | $\vdash$        |          |          |          | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$  |
|                 | 40       |          |           |   |              | -            |              | -        |                 |                 |  |          | 90          |                 |          |          |          | -        |         | $\vdash$     | $\vdash$        | -    |       | 140          |          | Ш               |          |          |          |          | -        |          | $\dashv$  |
|                 | 41       | -        |           |   | $\vdash$     | _            | <u> </u>     | $\vdash$ |                 |                 |  | <u> </u> | 91          | $\vdash \vdash$ |          | -+       |          |          | -       | ▙            | Н               | Ļ    |       | 141          |          | H               |          | H        |          | -        | -        | -        | $\dashv$  |
|                 | 42       | -        | $\vdash$  |   | $\vdash$     | $\vdash$     | -            | H        |                 |                 |  |          | 92          | $\vdash \vdash$ |          | +        | 4        | +        | +       | 1            | Н               | j    |       | 142          |          | Н               |          | H        | -        | $\dashv$ | $\dashv$ | -        | $\dashv$  |
|                 | 43       |          |           |   |              |              | $\vdash$     | H        | $\vdash$        | $\dashv$        |  |          | 93          | $\vdash \vdash$ |          | +        | +        | -        |         | ┼            | ⊢⊢              | - }- |       | 143          | <u> </u> | $\vdash \vdash$ |          |          |          | $\Box$   | $\dashv$ | -        | $\vdash$  |
| $\rightarrow$   | 44<br>45 | $\dashv$ |           |   | <del> </del> | -            | $\vdash$     | $\vdash$ | Н               | $\dashv$        |  | <u> </u> | 94          | $\vdash$        | $\dashv$ | +        | +        |          |         | ₩-           | $\vdash\vdash$  | -    |       | 144          | Ь        | H               |          |          |          | -        | $\dashv$ | $\dashv$ | $\dashv$  |
|                 |          | -        |           |   | <u> </u>     | <del> </del> | _            | $\vdash$ | Н               |                 |  | <u> </u> | 95          | $\vdash \vdash$ |          | +        | +        |          | +-      | ├            | Н               | -    |       | 145          | <b></b>  | Н               |          |          |          |          |          | $\dashv$ | $\vdash$  |
|                 | 46       |          | $\vdash$  |   | $\vdash$     | ├            | <u> </u>     | <u> </u> | $\vdash$        |                 |  | <u> </u> | 96          | $\vdash \vdash$ |          | +        | +        | +        | +       | $\vdash$     | Н               | -    |       | 146          | <u> </u> |                 |          |          | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\vdash$  |
|                 | 47       | $\dashv$ |           |   | <u> — </u>   |              | -            |          |                 |                 |  |          | 97          | $\vdash \vdash$ |          | +        | +        | +        |         | ┼            | $\vdash$        | -    |       | 147          | <b> </b> | Щ               |          | <u> </u> |          | $\dashv$ | -        | $\dashv$ | Щ         |
| -               | 48       |          | $\dashv$  |   | <u> </u>     | ├-           | <u> </u>     | $\vdash$ | $\vdash$        | _               |  | <u> </u> | 98          | $\vdash$        |          | $\dashv$ | +        | $\dashv$ | +-      | ├            | Н               | -    |       | 148          |          | H               |          |          | $\vdash$ | _        |          |          | <u> </u>  |
|                 | 49       |          | _         |   | <u> </u>     | ├            | ⊢-           |          | $\vdash \vdash$ |                 |  | <u> </u> | 99          | $\vdash$        |          | +        | +        |          | -       | $\vdash$     | $\vdash \vdash$ | -    |       | 149          | H        | $\vdash$        |          |          | $\vdash$ | _        |          |          | $\dashv$  |
|                 | 50       |          |           |   | L            | L            | <u> </u>     | Щ.       |                 |                 |  |          | 100         | Ш               |          |          |          | L        | L_      |              | لــــا          | L    |       | 150          | Щ.       | L               |          |          | L        |          |          |          | ╙         |